Notice of Allowability	Application No.	Applicant(s)	
	10/086,840	FITZGERALD, CARY	
	Examiner	Art Unit	
	Jude J. Jean-Gilles	2143	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *08/03/2006*.

2. ☒ The allowed claim(s) is/are *1-3,5,9-12,14-17,19,23-26,28-31,33,37-40,42-45,47,51-54 and 56*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DAVID WILEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with STEVE FORD, Reg. No. 35,139 on 10 October 2006. The proposed amendment to the claims as suggested by the examiner, and faxed by STEVE FORD to the Examiner on 11 October 2006 is presented below.

IN THE CLAIMS

2. Independent Claims 1, 9, 15, 24, 29, 38, 43, and 52 have all been amended to include the steps of cancelled claims 4, 13, 18, 27, 32, 41, 46, 55 respectively. Claims 4, 6-8, 13, 18, 20-22, 27, 32, 34-36, 41, 46, 48-50, and 55 have been cancelled. No new subject matter has been added. Reconsideration is submitted below.

PROPOSED AMENDMENTS TO THE CLAIMS

1. (Currently amended) A device comprising:

a network interface for coupling a network device using a second packet signaling protocol to a network using a first packet signaling protocol; and

a processor coupled with the network interface, in which the processor is adapted to

receive and analyze a message to initiate communications from the network device using the second packet signaling protocol with the network using the first packet signaling protocol;

convert the message received in the second packet signaling protocol to a message in the first packet signaling protocol; ~~and~~

transmit the message converted to the first packet signaling protocol to a network gatekeeper;

receive a response message in the first packet signaling protocol responsive to the message converted to the first packet signaling protocol and transmitted to the network gatekeeper;

decode from the response message received in the first packet signaling protocol a primary network address corresponding to a primary network device associated with the gatekeeper;

convert the response message received in the first packet signaling protocol to a reply message in the second packet signaling protocol; and

send the reply message in the second packet signaling protocol that contains the primary network address.

2. (Previously presented) The device of claim 1, wherein

the first packet signaling protocol comprises H.323 protocol,

the second packet signaling protocol comprises Session Initiation Protocol (SIP),

the message received in the second packet signaling protocol comprises a SIP invite message to initiate communications with a network device associated with the gatekeeper, and

the message in the first packet signaling protocol comprises an H.323 request message.

3. (Previously presented) The device of claim 1, wherein

the first packet signaling protocol comprises SIP,

the second packet signaling protocol comprises H.323 protocol,

the message received in the second packet signaling protocol comprises an H.323 request message to initiate communications with a network device associated with the gatekeeper, and

the message in the first packet signaling protocol comprises a SIP invite message.

4. (Cancelled).

5. (Currently amended) The device of claim [[4]] 1 , in which

the message received in the second packet signaling protocol is received from a first device, and

the reply message to the message received from the first device is sent to a second device different from the first device.

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Currently amended) The device of claim [[4]] 1 , in which the processor is further adapted to:

decode from the response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and

in which the reply message further contains the alternate network address.

10. (Currently amended) A device comprising:

a network interface for coupling an H.323 network device to a Session Initiation Protocol (SIP) network; and

a processor coupled with the network interface, in which the processor is adapted to

receive and analyze a H.323 request message from the H.323 network device to initiate communications with the SIP network;

convert the analyzed H.323 request message to a SIP location request message; and

transmit the SIP location request message to a SIP gatekeeper;

receive a SIP response message responsive to the transmitted SIP location request message;

decode from the SIP response message a primary network address corresponding to a primary network device associated with the gatekeeper;

convert the SIP response message to an H.323 reply message; and

send the H.323 reply message to the H.323 request message that contains the primary network address.

11. (Previously presented) The device of claim 10, in which

the H.323 request message is an Abstract Syntax Notation One (ASN.1) encoded Registration, Admission , Status (RAS) Location Request (LRQ) message.

12. (Original) The device of claim 10, in which

the gatekeeper is preconfigured, and

the SIP location request message is transmitted over a User Datagram Protocol (UDP) socket.

13. (Cancelled)

14. (Currently amended) The device of claim ~~13~~ 10 , in which the processor is further adapted to:

decode from the SIP response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and

in which the H.323 reply message to the H.323 request message further contains the alternate network address.

15. (Currently amended) A device comprising:

means for receiving and analyzing a message to initiate communications from a network device using a second packet signaling protocol with a network using a first packet signaling protocol;

means for converting the message received in the second packet signaling protocol to a message in the first packet signaling protocol; ~~and~~

means for transmitting the message converted to the first packet signaling protocol to a network gatekeeper;

means for receiving a response message in the first packet signaling protocol responsive to the message converted to the first packet signaling protocol;

means for decoding from the response message in the first packet signaling protocol a primary network address corresponding to a primary network device associated with the gatekeeper;

means for converting the response message received in the first packet signaling protocol to a reply message in the second packet signaling protocol; and

means for sending the reply message in the second packet signaling protocol that contains the primary network address.

16. (Previously presented) The device of claim 15, wherein

the first packet signaling protocol comprises H.323 protocol,

the second packet signaling protocol comprises Session Initiation Protocol (SIP),

the message received in the second packet signaling protocol comprises a SIP invite message to initiate communications with a network device associated with the gatekeeper, and

the message in the first packet signaling protocol comprises an H.323 request message.

17. (Previously presented) The device of claim 15, wherein

the first packet signaling protocol comprises SIP,

the second packet signaling protocol comprises H.323 protocol,

the message received in the second packet signaling protocol comprises an H.323 request message to initiate communications with a network device associated with the gatekeeper, and

the message in the first packet signaling protocol comprises a SIP invite message.

18. (Cancelled)

19. (Currently amended) The device of claim ~~18~~ 15, in which

the message received in the second packet signaling protocol is received from a first device, and

the reply message received from the first device is sent to a second device different from the first device.

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Currently amended) The device of claim ~~18~~ 15, further comprising:

means for decoding from the response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and

in which the reply message further contains the alternate network address.

24. (Currently amended) A device comprising:

means for receiving and analyzing a H.323 request message to initiate communications with a network using Session Initiation Protocol (SIP);

means for converting the analyzed H.323 request message to a SIP location request message; ~~and~~

means for transmitting the SIP location request message to a SIP gatekeeper;

means for receiving a SIP response message responsive to the transmitted SIP location request message;

means for decoding from the SIP response message a primary network address corresponding to a primary network device associated with the gatekeeper;

means for converting the SIP response message to an H.323 reply message; and

means for sending the H.323 reply message to the H.323 request message that contains the primary network address.

25. (Previously presented) The device of claim 24, in which
the H.323 request message is a ASN.1 encoded RAS LRQ message.

26. (Original) The device of claim 24, in which
the gatekeeper is preconfigured, and
the SIP location request message is transmitted over a UDP socket.

27. (Cancelled)

28. (Currently amended) The device of claim ~~27~~ 24, further comprising:

means for decoding from the SIP response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and

in which the H.323 reply message to the H.323 request message further contains the alternate network address.

29. (Currently amended) An article comprising: a storage medium, the storage medium having instructions stored thereon, in which when the instructions are executed by at least one device, they result in:

receiving and analyzing a message to initiate communications from a network device using a second packet signaling protocol with a network using a first packet signaling protocol;

converting message received in the second packet signaling protocol to a message in the first packet signaling protocol; ~~and~~

transmitting the message in the first packet signaling protocol to a network gatekeeper;

receiving a response message in the first packet signaling protocol responsive to the message transmitted in the first packet signaling protocol to the network gateway;

decoding from the response message a primary network address corresponding to a primary network device associated with the gatekeeper;

converting the response message received in the first packet signaling protocol to a reply message in the second packet signaling protocol; and

sending the reply message in the second packet signaling protocol that contains the primary network address.

30. (Previously presented) The article of claim 29, wherein

the first packet signaling protocol comprises H.323 protocol;

the second packet signaling protocol comprises SIP;

the message received in the second packet signaling protocol comprises a SIP invite message to initiate communications with a network device associated with the gatekeeper; and

the message in the first packet signaling protocol comprises an H.323 request message.

31. (Previously presented) The article of claim 29, wherein

the first packet signaling protocol comprises SIP,

the second packet signaling protocol comprises H.323 protocol,

the message received in the second packet signaling protocol comprises an H.323 request message to initiate communications with a network device associated with the gatekeeper, and

the message in the first packet signaling protocol comprises a SIP invite message.

32. (Cancelled)

33. (Currently amended) The article of claim ~~32~~ 29, in which

the message received in the second packet signaling protocol is received from a first device, and

the reply message to the message received from the first device is sent to a second device different from the first device.

34. (Cancelled)

35. (Cancelled)

36. (Cancelled)

37. (Currently amended) The article of claim ~~32~~ 29, in which the instructions further result in:

decoding from the response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and

in which the reply message further contains the alternate network address.

38. (Currently amended) An article comprising: a storage medium, the storage medium having instructions stored thereon, in which when the instructions are executed by at least one device, they result in:

receiving and analyzing a H.323 request message to initiate communications with a network using Session Initiation Protocol (SIP);

converting the analyzed H.323 request message to a SIP location request message; ~~and~~

transmitting the SIP location request message to a SIP gatekeeper;

receiving a SIP response message responsive to the transmitted SIP location request message;

decoding from the SIP response message a primary network address corresponding to a primary network device associated with the gatekeeper;

converting the SIP response message to an H.323 reply message; and

sending the H.323 reply message to the H.323 request message that contains the primary network address.

39. (Previously presented) The article of claim 38, in which
the H.323 request message is a ASN.1 encoded RAS LRQ message.

40. (Original) The article of claim 38, in which
the gatekeeper is preconfigured, and
the SIP location request message is transmitted over a UDP socket.

41. (Cancelled)

42. (Currently amended) The article of claim ~~41~~ 38, in which the instructions further result in:

decoding from the SIP response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and

in which the H.323 reply message to the H.323 request message further contains the alternate network address.

43. (Currently amended) A method comprising:

receiving and analyzing a message to initiate communications using a second packet signaling protocol with a network using a first packet signaling protocol;

converting the message received in the second packet signaling protocol to a message in the first packet signaling protocol; ~~and~~

transmitting the message in the first packet signaling protocol to a network gatekeeper;

receiving a response message in the first packet signaling protocol responsive to the message transmitted in the first packet signaling protocol to the network gatekeeper;

decoding from the response message a primary network address corresponding to a primary network device associated with the gatekeeper;

converting the response message received in the first packet signaling protocol to a reply message in the second packet signaling protocol; and

sending the reply message in the second packet signaling protocol that contains the primary network address.

44. (Previously presented) The method of claim 43, wherein

the first packet signaling protocol comprises H.323 protocol,

the second packet signaling protocol comprises Session Initiation Protocol (SIP),

the message received in the second packet signaling protocol comprises a SIP invite message to initiate communications with a network device associated with the gatekeeper, and

the message in the first packet signaling protocol comprises an H.323 request message.

45. (Previously presented) The method of claim 43, wherein

the first packet signaling protocol comprises SIP,

the second packet signaling protocol comprises H.323 protocol,

the message received in the second packet signaling protocol comprises an H.323 request message to initiate communications with a network device associated with the gatekeeper, and

the message in the first packet signaling protocol comprises a SIP invite message.

46. (Cancelled)

47. (Currently amended) The method of claim ~~46~~ 43, in which

the message received in the second packet signaling protocol is received from a first device, and

the reply message to the message received from the first device is sent to a second device different from the first device.

48. (Cancelled)

49. (Cancelled)

50. (Cancelled)

51. (Currently amended) The method of claim ~~46~~ 43, further comprising:

decoding from the response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and

in which the reply message further contains the alternate network address.

52. (Currently amended) A method comprising:

receiving and analyzing a H.323 request message to initiate communications with a network using Session Initiation Protocol;

converting the analyzed H.323 request message to a SIP location request message; ~~and~~

transmitting the converted SIP location request message to a SIP gatekeeper;

receiving a SIP response message responsive to the transmitted SIP location request message;

decoding from the SIP response message a primary network address corresponding to a primary network device associated with the gatekeeper;

converting the SIP response message to an H.323 reply message; and

sending the H.323 reply message to the H.323 request message that contains the primary network address.

53. (Previously presented) The method of claim 52, in which
the H.323 request message is a ASN.1 encoded RAS LRQ message.

54. (Original) The method of claim 52, in which
the gatekeeper is preconfigured, and
the SIP location request message is transmitted over a UDP socket.

55. (Cancelled)

56. (Currently amended) The method of claim ~~55~~ 52, further comprising:

decoding from the SIP response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and

in which the H.323 reply message to the H.323 request message further contains the alternate network address.

Reasons for Allowance

3. The following is an examiner's statement of reasons for allowance:

The closest prior art of record (Agrawal et al, U.S. Patent No. 7,002,989 B2) does not teach nor suggest in detail a network interface for coupling a network device using a second packet signaling protocol to a network using a first packet signaling protocol; and

a processor coupled with the network interface, in which the processor is adapted to

receive and analyze a message to initiate communications from the network device using the second packet signaling protocol with the network using the first packet signaling protocol;

convert the message received in the second packet signaling protocol to a message in the first packet signaling protocol; ~~and~~

transmit the message converted to the first packet signaling protocol to a network gatekeeper;

receive a response message in the first packet signaling protocol responsive to the message converted to the first packet signaling protocol and transmitted to the network gatekeeper;

decode from the response message received in the first packet signaling protocol a primary network address corresponding to a primary network device associated with the gatekeeper;

convert the response message received in the first packet signaling protocol to a reply message in the second packet signaling protocol; and

send the reply message in the second packet signaling protocol that contains the primary network address.

4. The dependent claims further limit the independent claims and are considered allowable on the same basis as the independent claims as well as for the further limitations set forth.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "**Comments on Statement of Reasons for Allowance**."

5. **Claims 1-3,5,9-12,14-17,19,23-26,28-31,33,37-40,42-45,47,51-54 and 56 are allowed**. Renumbered 1-36.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jude Jean-Gilles whose telephone number is (571) 272-3914. The examiner can normally be reached between the hours of 9:00 AM to 6:00 PM daily.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A. Wiley can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jude Jean-Gilles

Patent Examiner

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